

# WMD Radiological/Nuclear Course for HazMat Technicians (PER-241)

*This WMD Radiological/Nuclear technician-level course will be delivered at the Nevada Test Site to jurisdictions approved by DHS/Grants & Training and the Centralized Scheduling and Information Desk.*

## Course Description:

The course prepares the hazardous materials (HazMat) technician to respond to an incident involving a radiological or nuclear weapon of mass destruction (WMD), such as a Radiological Dispersal Device (RDD, “Dirty Bomb”) or an Improvised Nuclear Device (IND). The course begins by giving the student a conscious awareness of the fundamentals of radiation, health effects, recognition, and terrorist use of radiation and radiological material. HazMat technicians are given hands-on experience with radiation fields while learning the basic operation of radiation detectors and dosimeters. Students are taught how to use these instruments to conduct surveys of personnel, vehicles, facilities, and outdoor areas. Hands-on activities blend cognitive knowledge of radiation and instruments with survey techniques used in detecting the presence of radiation, locating radioactive material, and measuring levels of radiation and radiological contamination. Once individual and small team skills are mastered, HazMat technicians are taught operational considerations when responding to a radiological WMD incident. These considerations include operating in high radiation areas, limiting responder radiation doses, and rescuing contaminated victims. Students form operational teams that deal with cadre-evaluated realistic drills involving likely terrorist use of radiological material. The course culminates with an evaluation exercise requiring student teams, under a unified command, to respond to a terrorist attack on a facility, disbursing radiological material.

## Course Length:

32 hours (four 8-hour days)

## Prerequisite:

Students must be State-Certified Hazardous Materials Technicians.

## Target Audience:

The target audience includes students with technician-level training, representing the following disciplines:

- Law Enforcement
- Emergency Medical Services
- Emergency Management Agency
- Fire Service
- Hazardous Materials (HazMat)
- Public Works
- Governmental Administrative
- Public Safety Communications

## Target Audience (Cont.):

- Health Care
- Public Health
- Other skilled support personnel that provide immediate support services during prevention, response, and recovery operations.

## Certificate:

Certificate of Completion is issued upon successful completion of the course.

## Eligibility:

This course is primarily intended for responders trained to the HazMat Technician Level. It is the responsibility of the jurisdiction to select course participants.

## Course Delivery:

Delivered at the U.S. Department of Energy, Nevada Test Site.

## Cost:

All training and course materials are free to eligible participants.

## Enrollment Information:

In order to attend a training class delivered by one of the DHS/Grants & Training partners, a request must be provided to the designated DHS state administrative agent (SAA) training point of contact. For the Training POC in your area, contact the DHS/G&T Help Line at: 800-368-6498.

## Contact Information:

For more specific information regarding this course, contact the following:

Registration Desk

National Security Technologies <sup>LLC</sup>

Counter Terrorism Operations Support (CTOS) Program

DOE/NNSA/NSO

P. O. Box 98521, M/S CF126

Las Vegas, NV 89193-8521

(Tel) 702-295-3224

(Fax) 702-537-2639

**Email:** CTOSREG@nv.doe.gov

More information can be found at the DOE/NNSA/NSO Web site: [www.nv.doe.gov/combatingterrorism](http://www.nv.doe.gov/combatingterrorism)